

## **Rocky Mountain Engine Academy**

## **2017 PRE-TEST**

				OII FIL	I L J I		
Na	ıme			_ Agency/	Home Unit_		
N/I	aintenance					Final Score:	/ 50
		o Acadou	my drill did I	oeue Valdoz f	rom Kaibab I	E 713 say helped him as th	
١.			collision? (1p		IOIII Naibab I	. 713 say neipeu min as m	<b>C</b>
	A. B. C. D.	Dog M Lane C Figure Dange	8				
2.	trailer coupl	ing devic	es, and carg		t devices, wh	d electrical connections to t at critical items should you	
	A. B. C. D.	Tires, a	axles, brakes wheels and r	, brakes, fuel l s, lights and oi ims, brakes, li ens, lights and	l level ghts and refl		
3.				ceptions) only beginning a		had at least how many	
4.	Excessive s	speed wa	s a factor in	the rollover of	Lassen Eng	ine 11 on the Stanza fire. (	(1pt)
		A.	TRUE	B.	FALSE		
5.	Kaibab Eng (1pt.)	ine 713 v	vas respond	ing to a fire wl	nen they wer	e hit by an oncoming vehic	ile.
		A.	TRUE	В.	FALSE		
6.	•		•	•	•	day limitation provided no ation of 16 hours. (1pt)	driver
		A.	TRUE	B.	FALSE		

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					Name:				
7.	What three	things ac	ld up to total s	stopping distand	ce? (3pt)				
8.	A cracked/broken or missing leaf spring on your apparatus is considered what? (1pt)								
	A. B.		(out of servic tical (fix wher	e) opportunity ar	ises)				
9.	Driving a he (1pt)	avy engi	ne without a c	current medical	certificate is ar	n Out-of-Service viola	ation.		
		A.	TRUE	В.	FALSE				
10				ur engine to go uctuating. Wha		ı pull out you notice y lo? (1pt)	our oil		
	A. B. C. D.	Pull over	er and let it id er immediatel	ee if light goes le. y and shut off e auge is still sho	engine.				
11	. Damage is a would this b		•	y and seconda	ry ply of an air	or hydraulic hose. W	/hat		
	A. B.		(out of servic tical (fix wher	e) opportunity ar	ises)				
12			Out-of-Service do have tail li	•	nave turn signa	ls on the front or rea	r of		
		A.	TRUE	B.	FALSE				
13	s.A ½ inch cra	ack in a F	rame Membe	er Side Rail is c	onsidered Out-	of-Service. (1pt)			
		A.	TRUE	В.	FALSE				
14	. As a driver v	with a Co	mmercial Lea	arner's Permit. o	drivina while no	ot accompanied by th	e		

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B.

B.

15. If the friction surface on a hydraulic or air brake system is contaminated by oil or grease the

**FALSE** 

**FALSE** 

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holder of a valid CDL is an Out-of-Service Violation. (1pt)

**TRUE** 

**TRUE** 

A.

A.

vehicle is considered Out-of-Service. (1pt)

Name:			

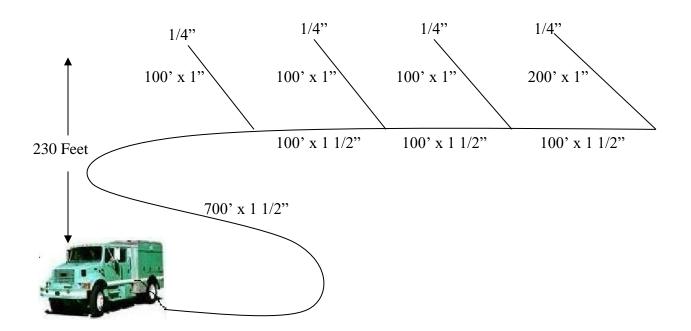
			ithout correct ervice. (1pt)	ctive lense	s as in	dicated on your	driver's licen	se is
		A.	TRUE		B.	FALSE		
17. Which	n size h	ose has	the least fric	tion loss p	oer 100	' section at a giv	ven flow: (1pt	)
	A. B. C. D.	1" 1 1/2" 3/4" All of the	e above					
18.2 PSI	of wate	er pressu	ıre will lift wa	ater appro	ximatel	у	_ feet vertica	lly. (1pt)
	A. B. C. D.	1 ft. 2 ft. 4 ft. 6 ft.						
36 po		er square				1" hose is grea ne greater numb		
		A.	TRUE		B.	FALSE		
20. Write	down t	he stand	ard formula	for calcula	ating pu	ımp discharge p	ressure. (1pt	s)
21. If flow	(in GP	PM) is de	creased in a	length of	hose, v	what happens to	FL? (1pt)	
	A. B. C. D.	Remain Increase Decrease Drops to	ses					
22. KK-Ty	/pe con	nbination	nozzles red	quire a wo	rking N	ozzle Pressure	of	_PSI. (1pt)
	A. B. C. D.	50 75 100 150						

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Name: \_\_\_\_\_

23. Calculate Friction Loss for a 100' section of 1" hose that has 30 GPM flowing through it. (1pt)

24. Calculate pump discharge pressure for the following hose lay. (show all work) (10pts)



PDP=

## 25. Match the valve #'s for the Standard Valves. (15 pt.)

NUMBERS	FUNCTIONS
#1	_ A – Pump Transfer
#2	B – Low Volume Gravity
#3	_ C – Pump to Tank
#4	_ D – Gravity Tank Drain
#6	F _ Dump and Dlumbing
#7	F – Hose Reel
#8	_ G – Tank to Pump
#11	H – Clean Water — Discharge
#12	I – Engine Cooler
#13	J – Overboard Suction
#15	K – Pump Bypass
#16	_ L – Overboard Discharge
#17	M – Adj. Pressure Relief
#18	N – Pump Coolant — Cleanout
#19	O – Primer Valve

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